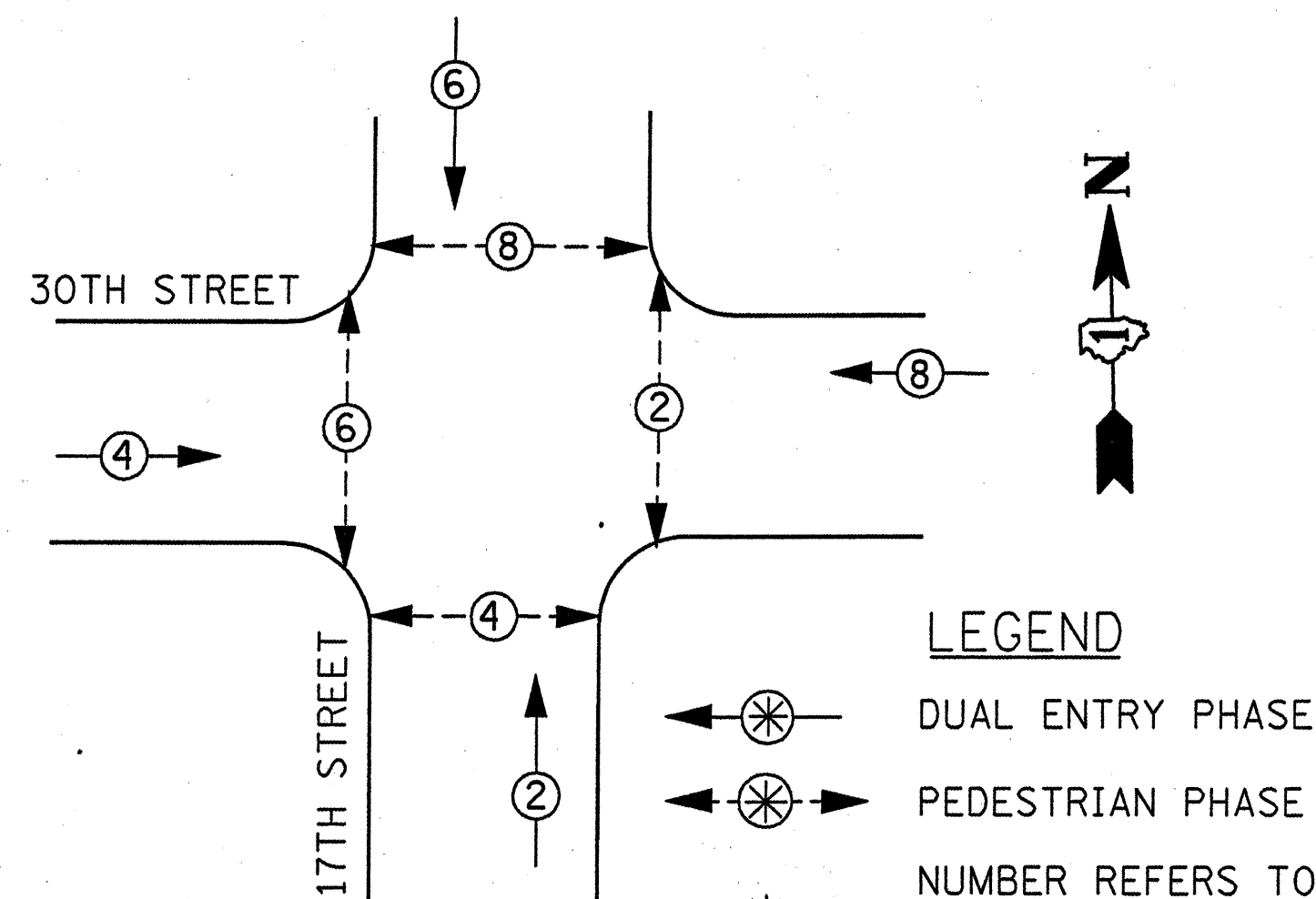


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CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
PEDESTRIAN PHASE
NUMBER REFERS TO ASSOCIATED PHASE

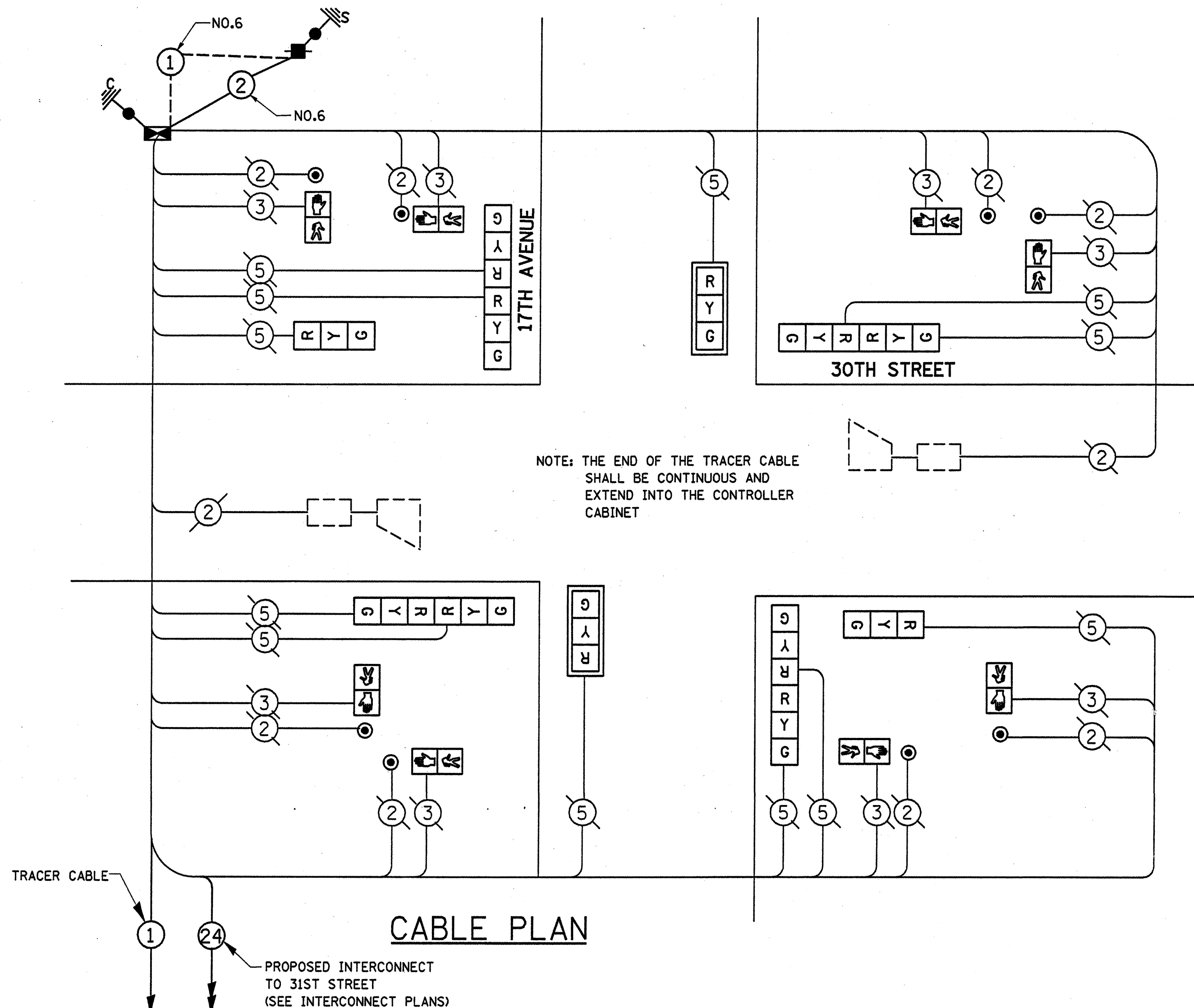
PHASE DESIGNATION DIAGRAM

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATION.

- 1 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR BID PRICE.

- 4 EACH SIGNAL HEAD, 1 FACE, 3 SECTION, BRACKET MOUNTED
4 EACH SIGNAL HEAD, 2 FACE, 3 SECTION, BRACKET MOUNTED
2 EACH SIGNAL HEAD, 1 FACE, 3 SECTION, MAST ARM MOUNTED
8 EACH PEDESTRIAN SIGNAL HEAD, 1 FACE
2 EACH TRAFFIC SIGNAL BACKPLATE
1 EACH SERVICE INSTALLATION



CABLE PLAN

SCHEDULE OF QUANTITIES

QUANTITY UNIT ITEM

0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
1.00	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1.00	EACH	PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT
1.00	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
8.00	EACH	PEDESTRIAN PUSH-BUTTON
1.00	EACH	TRANSCEIVER-FIBER OPTIC
1.00	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
7.60	METER	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
7.60	METER	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
1.50	METER	REMOVE ELECTRIC CABLE FROM CONDUIT

QUANTITY UNIT ITEM

8.00	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
2.00	EACH	INDUCTIVE LOOP DETECTOR
2.00	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
2.00	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2.00	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4.00	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1.00	EACH	SERVICE INSTALLATION, POLE MOUNT

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	WATTAGE
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW		135	12	0.10	
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	100	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 522.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: MIKE STEVENS
PHONE: 708-410-5117
COMPANY: COMMONWEALTH EDISON

12/12/2003
C:\projects\118800\118800.dwg
BEACOMRD

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
EMERGENCY VEHICLE PREEMPTION SEQUENCE
AND SCHEDULE OF QUANTITIES

17TH AVE (MAPLE AVE)
AT
30TH STREET
SCALE: NONE
DATE: 12/11/2003
DRAWN BY: ROB
DESIGNED BY: SH
CHECKED BY: DAD